Move Alarm API

API Data formats

1. String format : normal text
2. JSON
   1. JSON normal string

**{“name” : “Move Alarm”, “subject” : “OOAD”}**

**Variable name**

**Value**

**Comma ( “,” ) section between variable**

**colon ( “:” ) section between variable name and value**

* 1. JSON normal string with array

**Array index 0**

**Array name**

**Array index 1**

**{“name” : “Move Alarm”, “subject” : [{“name” : “OOAD”, “credit” : “3”}, {“name” : “SE”, “credit” : “3”}]}**

* 1. JSON inform of Move Alarm API Object

**Other attributes**

**Every objects have its class name**

**{“className” : “Group”, “members” : [{“name” : “A”, “age” : “15”}, {“name” : “B”, “age” : “30”}]}**

* 1. JSON inform of Process Status Description Format (PSDF)

**Description of status of process**

**Status of process (true of false)**

**{“status” : “false”, “description” : “An error has occurred while saving the data to the database”}**

User API

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | **Returned value** | | **Actual returned values** |
| **Find user by an id** | /user/findByID | POST | **int** id | **int** id | **JSON** | | **User** |
| **Find user by condition** | /user /findByWhere | POST | **String** columnName, operator, value | **String** columnName, operator, value | **JSON** | | **User**[] users |
| **Find user by ranking** | /user /findByRank | POST | **String** startRank, endRank | **String** startRank, endRank | **JSON** | | **User**[] users |
| **Get all users** | /user /getAllUsers | GET |  |  | **JSON** | | **User**[] users |
| **Create new user** | /user /createUser | POST | **String** JSON | **User** user | **JSON** | | **PSDF** |
| **Update or change user’s fields** | /user /updateUser | POST | **String** JSON | **User** user | **JSON** | | **PSDF** |
| **Change user’s password** | /user /changePassword | POST | **String** JSON | **User** user  **String** oldPassword, newPassword, confirmPassword | **JSON** | | **PSDF** |
| **Delete a user** | /user /delete | POST | **String** JSON | **User** user | **JSON** | | **PSDF** |
| **Count every user in database** | /user /countAllUsers | GET |  |  | **JSON** | | **User**[] users |
| **Check user’s rank** | /user /getUserRank | POST | **String** JSON | **User** user | **String** | | **int** |
| **API description** | **url** | **Method** | **Parameters** | **Actual parameters** | | **Returned value** | **Actual returned values** |
| **Increase user’s score** | /user /increaseScore | POST | **String** JSON | **User** user  **int** score  **String** description | | **JSON** | **PSDF** |
| **Decrease user’s score with description** | /user /decreaseScore | POST | **String** JSON | **User** user  **int** score  **String** description | | **JSON** | **PSDF** |
| **Reset user’s score** | /user /resetScore | POST | **String** JSON | **User** user | | **JSON** | **PSDF** |
| **Verify password** | /user /verifyPassword | POST | **String** JSON | **User** user  String password | | **JSON** | **PSDF** |